

## CLAIMS

1. Cosmetic composition comprising rigid, substantially rectilinear fibres of a synthetic polymer  
5 in a physiologically acceptable medium, in which the polymer is chosen from polyurethanes, polyesters, acrylic polymers, polyolefins, non-aromatic polyamides and aromatic polyimide-amides.

2. Composition according to Claim 1, in  
10 which at least 50%, preferably at least 75% and better still at least 90%, in numerical terms, of the fibres are such that the angle formed between the tangent to the central longitudinal axis of the fibre at one of the ends of the fibre and the straight line connecting  
15 the said end to the point on the central longitudinal axis of the fibre corresponding to half the length of the fibre, is less than or equal to  $15^\circ$ , and the angle formed between the tangent to the central longitudinal axis of the fibre at a point halfway along the fibre  
20 and the straight line connecting one of the ends to the point on the central longitudinal axis of the fibre corresponding to half the length of the fibre, is less than or equal to  $15^\circ$ , for the same length of fibre ranging from 0.8 mm to 5 mm, preferably ranging from 1  
25 to 4 mm, preferably from 1 to 3 mm and better still 2 mm.

3. Composition according to Claim 2, in which the said angle is less than or equal to  $10^\circ$  and preferably less than or equal to  $5^\circ$ .

30 4. Composition according to any one of the preceding claims, in which the fibres are from 0.8 to 5 mm, preferably from 1 to 4 mm and better still from 1 to 3 mm long.

5. Composition according to any one of the  
35 preceding claims, in which the cross section of the

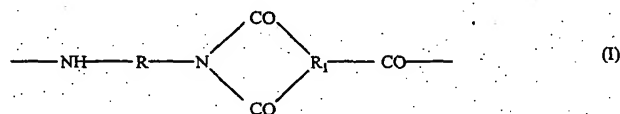
fibres is within a circle of diameter (D) ranging from 2 nm to 500  $\mu\text{m}$ , preferably from 100 nm to 100  $\mu\text{m}$  and better still from 1  $\mu\text{m}$  to 50  $\mu\text{m}$ .

6. Composition according to any one of the preceding claims, in which the fibres have a length L and a diameter D of the circle in which the cross section of the fibre is inscribed, such that the ratio L/D is in the range from 3.5 to 2 500, preferably from 5 to 500 and better still from 5 to 150.

7. Composition according to any one of the preceding claims, in which the fibres have a yarn count in the range from 0.15 to 30 denier and preferably from 0.18 to 18 denier.

8. Composition according to any one of the preceding claims, in which the fibres are present in a content of from 0.01% to 10% by weight, preferably from 0.1% to 5% by weight and better still from 0.3% to 3% by weight, relative to the total weight of the composition.

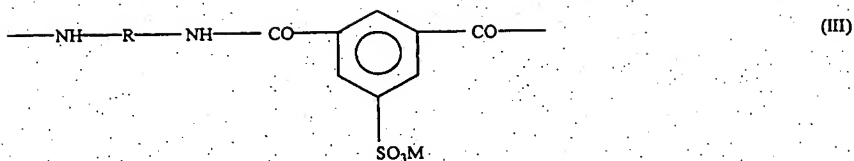
9. Composition according to Claim 1, in which the fibres are aromatic polyimide-amide fibres, the said aromatic polyimide-amide comprising a repeating unit of formula (I):



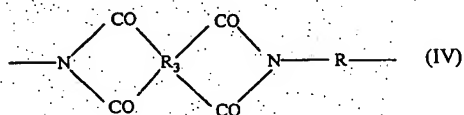
optionally, also, a repeating unit of formula (II):



optionally, also, a repeating unit of formula (III):

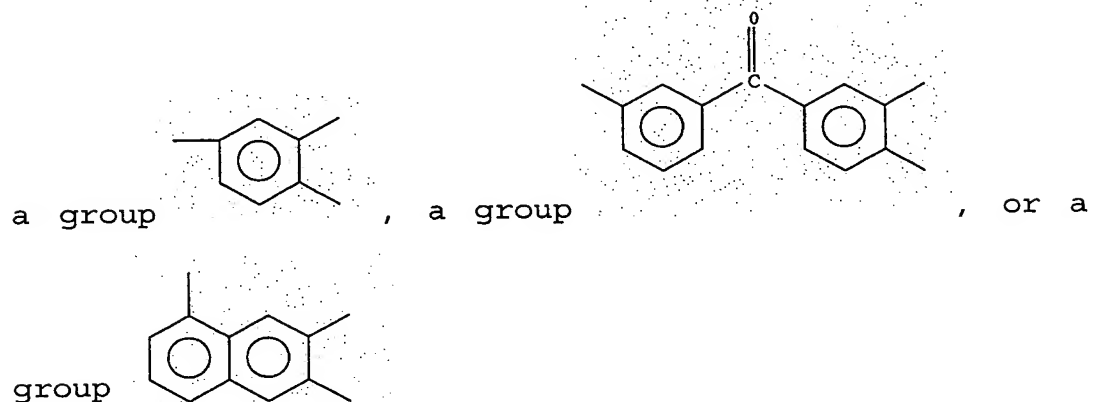


optionally, also, a repeating unit of formula (IV):



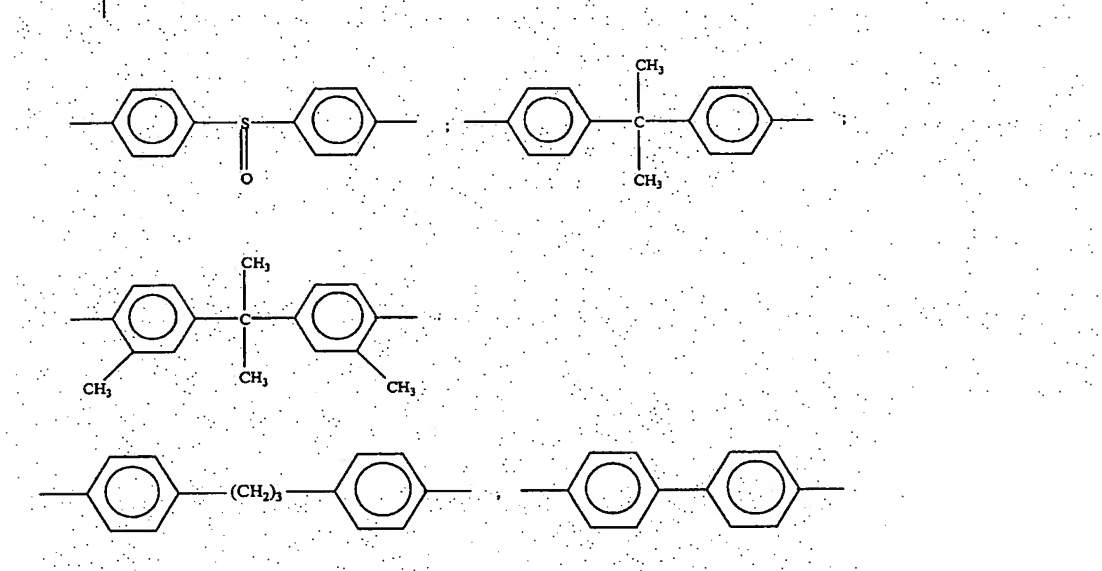
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10. Composition according to Claim 9, in which  $R_1$  represents:

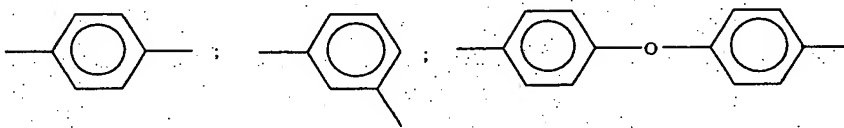


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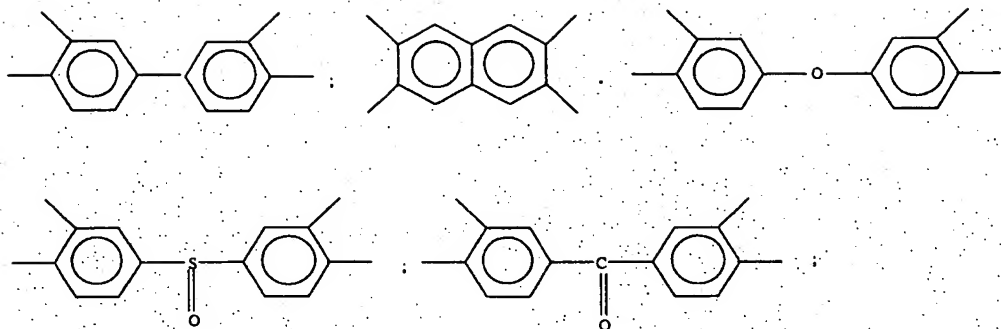
11. Composition according to either of Claims 9 and 10, in which R is chosen from groups:



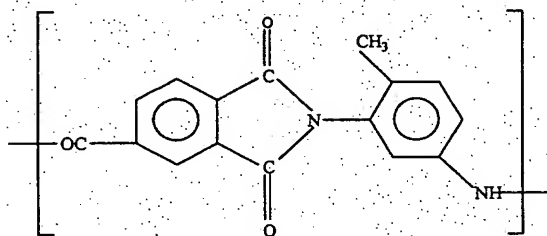
5     Claims 9 to 11, in which  $R_2$  is a group of formula:



Claims 9 to 12, in which  $R_3$  is chosen from the groups of formulae:



14. Composition according to any one of Claims 9 to 13, in which the polyimide-amide is obtained by polymerization of tolylene diisocyanate and of trimellitic anhydride, and comprises repeating units of formula:



15. Composition according to any one of Claims 1 to 14, in which the fibres are surface-treated and/or coated, for example with an active agent and/or a dye and/or a pigment.

16. Composition according to any one of Claims 1 to 14, in which an active agent and/or pigment and/or dye is incorporated into the bulk of the polymer forming the fibres.

17. Composition according to any one of the preceding claims, in which the physiologically acceptable medium is a hydrophilic or lipophilic cosmetic medium.

18. Composition according to any one of the preceding claims, comprising water or a mixture of water and of hydrophilic organic solvent(s).

19. Composition according to Claim 17, in which the hydrophilic organic solvent(s) is(are) chosen from monoalcohols containing from 2 to 5 carbon atoms, polyols containing from 2 to 8 carbon atoms, C<sub>3</sub>-C<sub>4</sub> ketones and C<sub>2</sub>-C<sub>4</sub> aldehydes.

20. Composition according to either of Claims 18 and 19, in which the water or the mixture of water and of hydrophilic organic solvent(s) is present in a content ranging from 0.1% to 90% by weight and preferably from 0.1% to 60% by weight, relative to the total weight of the composition.

21. Composition according to any one of the preceding claims, which comprises a fatty phase.

22. Composition according to Claim 21, which is an anhydrous composition.

23. Composition according to Claim 21 or Claim 22, in which the fatty phase comprises a fatty substance chosen from oils, organic solvents, waxes and pasty fatty substances, and mixtures thereof.

24. Composition according to any one of Claims 21 to 23, in which the fatty phase comprises at least one volatile oil.

25. Composition according to Claim 24, in which the volatile oil is chosen from hydrocarbon-based oils containing from 8 to 16 carbon atoms.

26. Composition according to Claim 25, in which the volatile oil is present in a content ranging from 0.1% to 98% by weight and preferably from 1% to 65% by weight, relative to the total weight of the composition.

27. Composition according to any one of the preceding claims, characterized in that it comprises a film-forming polymer.

28. Composition according to Claim 27, in which the film-forming polymer is chosen from the group

formed by vinyl polymers, polyurethanes, polyesters, polyamides, polyureas and cellulose-based polymers.

29. Composition according to Claim 28, in which the film-forming polymer is present in a polymer  
5 solids content ranging from 0.1% to 60% by weight, preferably from 0.5% to 40% by weight and better still from 1% to 30% by weight, relative to the total weight of the composition.

30. Composition according to any one of the  
10 preceding claims, characterized in that it comprises a dyestuff.

31. Composition according to Claim 30, in which the dyestuff is chosen from pigments, nacles, liposoluble dyes and water-soluble dyes.

15 32. Composition according to Claim 30 or Claim 31, in which the dyestuff is present in a content ranging from 0.01% to 30% by weight, relative to the total weight of the composition.

33. Composition according to any one of the  
20 preceding claims, characterized in that it comprises a cosmetic additive chosen from antioxidants, fillers, preserving agents, fragrances, neutralizers, thickeners, surfactants, cosmetic or dermatological active agents, plasticizers and coalescers, and  
25 mixtures thereof.

34. Composition according to any one of the preceding claims, which is a makeup composition, a makeup base, a top coat composition to be applied over a makeup, or a treatment or care composition for  
30 keratin materials or fibres.

35. Composition according to any one of the preceding claims, which is a composition for coating the eyelashes, especially an eyelash makeup composition, also known as a mascara, a composition to  
35 be applied over an eyelash makeup, also known as a top

coat, or a composition for treating the eyelashes, especially human eyelashes or false eyelashes.

36. Composition according to Claim 35, which is a mascara.

5           37. Cosmetic treatment or makeup process for keratin materials, comprising the application to the said keratin materials of a composition according to any one of Claims 1 to 36.

10           38. Process for coating the eyelashes, comprising the application to the eyelashes of a composition according to any one of Claims 1 to 36.

15           39. Use of a composition according to any one of Claims 1 to 36 to obtain a lengthening of the eyelashes that is exactly in line with them or to give the eyelashes an even lengthening effect.

40. Use, in a mascara, of fibres as defined in any one of Claims 1 to 16 to obtain a lengthening of the eyelashes that is exactly in line with them or to give the eyelashes an even lengthening effect.

20           41. Use, in a mascara, of fibres as defined in any one of Claims 1 to 16, to mimic or imitate natural eyelashes.

25           42. Use of a composition according to any one of Claims 1 to 36, to mimic or imitate natural eyelashes.